

PCT

Rec'd PCT/ISA 15 NOV 2001

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SF0941K	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/ 08081	International filing date (day/month/year) 27/03/2000	(Earliest) Priority Date (day/month/year) 17/05/1999
Applicant SCHERING CORPORATION et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

Intern Application No

PCT/US 00/08081

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/395 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EMBASE, WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	E. TARTOUR ET AL.: "IL17, a T cell-derived cytokine which promotes the in vivo growth of cervical tumors in nude mice." PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH, vol. 39, March 1998 (1998-03), page 653 XP002129053 USA abstract #4447	1-3,5,6
X	WO 97 04097 A (GENETICS INSTITUTE) 6 February 1997 (1997-02-06) page 20, line 17 - line 21 page 12, line 9 - line 11 claims 13,23,24 --- -/--	1-3,5,6, 9

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 July 2000

Date of mailing of the international search report

11/07/2000

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/08081

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 14240 A (HUMAN GENOME SCIENCES INC.) 25 March 1999 (1999-03-25) page 8, line 15 - line 20 page 81, line 13 - line 20 ---	1,2,5,7
X	S. WAKASUGI ET AL.: "Tumorigenicity of cancer cells transfected with IL-17 gene in vivo." PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH, vol. 39, March 1998 (1998-03), page 6 XP002129054 USA abstract #37 ---	1,9
X	F. PAGES ET AL.: "Control of tumor development by intratumoral cytokines." IMMUNOLOGY LETTERS, vol. 68, no. 1, 3 May 1999 (1999-05-03), pages 135-139, XP002129058 AMSTERDAM, THE NETHERLANDS page 138, left-hand column, line 21 - line 25 ---	1,9
X	DE 298 20 466 U (W. REUTTER) 8 April 1999 (1999-04-08) page 26, line 20 - line 22 claims 8,18 ---	1,9
A	M. LAAN ET AL.: "Neutrophil recruitment by human IL-17 via C-X-C chemokine release in the airways." THE JOURNAL OF IMMUNOLOGY, vol. 162, no. 4, 15 February 1999 (1999-02-15), pages 2347-2352, XP002129055 BALTIMORE, MD, USA abstract ---	1-9
A	M. ANTONYSAMY ET AL.: "Evidence for a role of IL-17 in organ allograft rejection: IL-17 promotes the functional differentiation of dendritic cell progenitors." THE JOURNAL OF IMMUNOLOGY, vol. 162, no. 1, 1 January 1999 (1999-01-01), pages 577-584, XP002129056 BALTIMORE, MD, USA abstract material and methods ---	1-9

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 00/08081

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	F. FOSSIEZ ET AL.: "Interleukin-17" INTERNATIONAL REVIEWS OF IMMUNOLOGY, vol. 16, no. 5-6, 1998, pages 541-551, XP002129057 LONDON, GB the whole document ---	1-9
P,X	E. TARTOUR ET AL.: "Interleukin 17, a T-cell-derived cytokine, promotes tumorigenicity of human cervical tumors in nude mice." CANCER RESEARCH, vol. 59, no. 15, 1 August 1999 (1999-08-01), pages 3698-3704, XP002129059 BALTIMORE, MD, USA abstract page 3699, right-hand column, line 17 - line 37 figure 1 -----	1-3,5,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/08081

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9704097	A	06-02-1997	US 5707829 A	13-01-1998
			AU 6712396 A	18-02-1997
			CA 2227220 A	06-02-1997
			EP 0839196 A	06-05-1998
			JP 11510045 T	07-09-1999
			US 6043344 A	28-03-2000
			AU 6768596 A	12-03-1997
			CA 2229208 A	27-02-1997
			EP 0851875 A	08-07-1998
			WO 9707198 A	27-02-1997
			US 6074849 A	13-06-2000
			US 5969093 A	19-10-1999

WO 9914240	A	25-03-1999	AU 9482498 A	05-04-1999

DE 29820466	U	08-04-1999	NONE	
